

APPL. NO. 09/597,430
AMDT. DATED JULY 22, 2004
REPLY TO OFFICE ACTION OF APRIL 22, 2004

Claims

Claim 1 (Currently Amended): A method for generating data for a data network with a telecommunications switch, the method comprising the steps of:

A) receiving a telephone call;

B) determining with the telecommunications switch whether the telephone call includes a first data transmission conforming to a predetermined data protocol, the first data transmission including a first digital information signal;

if the telephone call includes the first data transmission conforming to the predetermined data protocol, then:

C) terminating the predetermined data protocol with the telecommunications switch; and

D) demodulating the first digital information signal from the first data transmission;

E) generating a transmit packet that includes the first digital information signal, wherein the telecommunications switch only generates the transmit packet when the first data transmission includes the first digital information signal; and

F) wherein, if the telephone call does not include the first data transmission conforming to the predetermined data protocol, then the telecommunications switch transferring the telephone call to a telephone network.

Claim 2 (Cancelled):

Claim 3 (Currently Amended): The method of claim 2-1 further comprising the step of:

EG) transmitting the transmit packet into the data network.

Claim 4 (Cancelled):

Claim 5 (Currently Amended): The method of claim 1 further comprising the steps of:

EG) receiving a receive packet from the data network, the receive packet including a second digital information signal;

FH) modulating the second digital information signal into a second data transmission conforming to the predetermined data protocol; and

GI) transmitting the second data transmission in the telephone call.

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Claim 6 (Cancelled):

Claim 7 (Original): The method of claim 1 wherein a digital signal processor analyzes the telephone call to determine whether the first data transmission conforms to the predetermined data protocol.

Claim 8 (Original): The method of claim 1 wherein the predetermined data protocol is one of a modem and a facsimile protocol.

Claim 9 (Original): The method of claim 1 wherein the step of determining whether the telephone call is the first data transmission comprises determining whether one of a called number and calling number for the telephone call is a predetermined number indicating a data call.

Claim 10 (Currently Amended): The method of claim 1 further comprising the steps of:
if the telephone call includes the first data transmission conforming to the predetermined data protocol, then:

EG) translating a called number for the telephone call into a data network indicator; and
FH) establishing a first data connection to a data network based on the data network indicator.

Claim 11 (Currently Amended): The method of claim 10 further comprising the step of:
GI) generating a transmit packet that includes the first digital information signal.

Claim 12 (Currently Amended): The method of claim 11 further comprising the step of:
HJ) transmitting the transmit packet into the data network.

Claim 13 (Currently Amended): The method of claim 10 further comprising the steps of:
GI) receiving a receive packet from the data network, the receive packet including a second digital information signal;
HJ) modulating the second digital information signal into a second data transmission conforming to the predetermined data protocol;
IK) transmitting the second data transmission in the telephone call.

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Claim 14 (Cancelled):

Claim 15 (Cancelled):

Claim 16 (Cancelled):

Claim 17 (Cancelled):